

RAW SEQUENCE LISTING

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Application Serial Number: 10/563,277A
Source: 1FW9
Date Processed by STIC: 4/20/07

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RAW SEQUENCE LISTING

DATE: 04/20/2007

PATENT APPLICATION: US/10/563,277A

TIME: 13:56:44

Input Set : A:\PTO.DA.txt

Output Set: N:\CRF4\04202007\J563277A.raw

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3 <110> APPLICANT: Institut National de la Recherche Agronomique (INRA)
5 <120> TITLE OF INVENTION: Method of producing double low restorer lines of Brassica
6   napus having a good agronomic value
8 <130> FILE REFERENCE: D21413
10 <140> CURRENT APPLICATION NUMBER: US 10/563,277A
11 <141> CURRENT FILING DATE: 2006-01-04
13 <160> NUMBER OF SEQ ID NOS: 14
15 <170> SOFTWARE: PatentIn version 3.2
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 248
19 <212> TYPE: DNA
20 <213> ORGANISM: Brassica napus
22 <220> FEATURE:
23 <223> OTHER INFORMATION: PGIol marker
25 <400> SEQUENCE: 1
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27 acatgtgggt aacttaacag ggctccggct gttgcaaaac acatggttgc tgtcagcact      120
28 aatcttgctg tatgaatttg tgattaaatt tgtttgtttg tgactctttc ttcattgttc      180
29 gttttcgtac aataaaccga atgtataatc tttttacaaa ctgaattttc taccgggtct      240
30 gatgtaca                                     248
33 <210> SEQ ID NO: 2
34 <211> LENGTH: 979
35 <212> TYPE: DNA
36 <213> ORGANISM: Brassica napus
38 <220> FEATURE:
39 <223> OTHER INFORMATION: PGI-UNT R2000 marker
41 <400> SEQUENCE: 2
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43 acatgtgggt aacttaacag ggctccggct gttgcaaaac acatggttgc tgtcagcact      120
44 aatcttgctg tatgaatttg tgattaaatt tgtttgtttg tgactctttc ttcattgttc      180
45 gttttcgtac aataaaccga atgtataatc tttttacaaa tgaattttct accgggtctg      240
46 atgtacaatg ctagtctcca tgttcttggg gatcatgatt tattttctac atgtattcag      300
47 acagtacaga agaaagtgtt caaaactctg gatgttttaa ttacagtta gtggagaagt      360
48 tcggcattga tccgaacaat gcatttgcatt tttgggactg ggttggtgga aggtacagt      420
49 gtaagtgtt gtttatgttg ttgtataaat ttctcgtcca tttccgcttg cttagtgtat      480
50 aactgaaatt cttttgcagt ttgcagtgtt gttggagtct taccattgtc tctacagtat      540
51 ggcttctctg tgggtgagaa gtacggtacc ttctacttta tcagccatct cataaaatgt      600
52 cttaggcata ttctttctat tttatttccc tcttaatgat ttcttctttt ttttattgca      660
53 ttcccgtttt attttcaaaa gttgttactg tctctaaatc aagaagaaac cttcttagta      720
54 gatccagctg atattcagcc ttttttaaag tggactgcag gtttttaaag gggagcttca      780
55 agcattgata agcatttcca gtccacaccg tttgagaaga atatacccggt gagttgcatt      840
56 agttgtgtga ttatacagtt ttcttgtctt tttgctatgt ccatcaacac tagagattcg      900
57 tgaagttatt agtgtagtca acgcataggg agaggtgatt ggtgactttt ggacgatttc      960

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62 <211> LENGTH: 866
63 <212> TYPE: DNA
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66 <220> FEATURE:
67 <223> OTHER INFORMATION: PGI-int R2000 marker
69 <400> SEQUENCE: 3
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71 attgttcggt ttcgtacaat aaaccgaatg tataatcttt tacaaactga attttctacc      120
72 gggctctgat tacaatgcta gtctccatgt tcttggggat catgatttat tttctacatg      180
73 tattcagaca gtacagaaga aagtgttcaa aactctggat gttttaattt acagtttagtg      240
74 gagaagttcg gcattgatcc gaacaatgca tttgcatttt gggactgggt tgggtggaagg      300
75 tacagtggta agtgcttggt tatttggttg tataaatttc tcgtccattt ccgcttgctt      360
76 agtggtataa tgaaattctt ttgcagtttg cagtgcgtgt ggagtcttac cattgtctct      420
77 acagtatggc ttctctgtgg ttgagaagta cggtaccttc tactttatca gccatctcat      480
78 aaaatgtctt aggcataattc tttctatttt atttcctct taatgatttc ttcttttttt      540
79 tattgcattc ccgtttttatt ttcaaaagtt gttactgtct ctaaatcaag aagaaacctt      600
80 cttagtagat ccagctgata ttccagccttt tttaaattgg actgcaqgtt tttaaaqggg      660
81 agcttcaagc attgataagc atttccagtc cacaccgttt gagaagaata taccctgtag      720
82 ttgcattagt tgtgtgatta tacagttttc ttgtcttttt gctatgtcca tcaacactag      780
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84 cgatttcagg tgcttttaggg ttattg                                     866
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88 <211> LENGTH: 957
89 <212> TYPE: DNA
90 <213> ORGANISM: Brassica napus
92 <220> FEATURE:
93 <223> OTHER INFORMATION: BolJon marker R2000
95 <400> SEQUENCE: 4
96 gatccgattc ttctcctggt gagatcagct ccaaactatca aacaacttgt acacaaatat      60
97 ctttacttgc taaatggaac atgacaagag atagaaaatc ttgctcatag tattgtacaa      120
98 gggataacag tgtagaaaac aaaccgtctg taagattttc tccctgatcc tctcacttaa      180
99 ccagtaggcg tttttcacat tgaagcgcat atctactttg gtattcactg aataaaaaaa      240
100 gaaagctggg aacatgtgaa ggatatacaa gcattgatac accaagtagt cacaaactac      300
101 attataaagg tcagaccctt gtccacattc tggcctccag gaccaccgct tctagcaaag      360
102 ttaagcgtaa catggtctgc acgtatacaa atgaaaatgt ttctatcaaa atcctataaa      420
103 atagagctct ataacattgt cgatacatag tttcactaac tctgcaagta ctaaacacat      480
104 atacaaacaa aactatgcca acagatcaaa actactacag aacacagttc tatgacactg      540
105 tcgatagtaa catcctctgc aagtaccaa gagatagcaa atgaaactat gtaaacaaat      600
106 caaaattcta aatttctcca tcacaaggac ctacagaata gagttatcat aacattttct      660
107 gtaaataatt ccatcaaaat gactagagaa cagagttctt ataacattat ctgtaaattg      720
108 tccaacaaaa ccactacata gcagagttct tataacattg tctgtaaatt tccaatcaaa      780
109 accactacag aacaaagctc ctataacatt gtttatacaa agtttacta aatctacaaa      840
110 ctttcccccg aaatgagctt aatatcacc aaagatgttt caatcagata aagagtacga      900
111 catcggtttg agattagaac aaactgaaac ttacgtagag tgatttgagg agtaggc      957
114 <210> SEQ ID NO: 5
115 <211> LENGTH: 672
116 <212> TYPE: DNA

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117 <213> ORGANISM: Brassica napus
119 <220> FEATURE:
120 <223> OTHER INFORMATION: CP418L marker R2000
122 <400> SEQUENCE: 5
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124 ccatcaaaat gactagagaa cagagttctt ataacattat ctgtaaatgt tccaacaaaa 120
125 ccactacata gcagagttct tataacattg tctgtaaatg tccaatcaaa accactacag 180
126 aacaaagctc ctataacatt gtttatacaa agtttacta aatctacaaa ctttccccgt 240
127 aaatgagctt aatatcacc aaagatgttt caatcagata aagagtaacg acatcgtttt 300
128 gagattagaa caaactgaaa cttacgtaga gtgatttgag gagtaggctc gttgccagca 360
129 gagctagctc tctcctccgc ctcatgaagc atctgttgca cctgagacaa ccgtgacgaa 420
130 actttccgat caccgccacc agaattcgac gccgcgcac ggaaggatcc gaatcgggaa 480
131 ctgagtgaac ccgagcgatc ccgggagtg gacggagcga tgggaaaaga gagtggcacg 540
132 atttcgacga agagtggaa aggagagggt ggtggataaa ctgcggtatg atcaagttcg 600
133 tcatcgtcct gattgccgcc attttttttg tcagggcgct ctgtggctta gaagtttccg 660
134 atgtcaatga ac 672
137 <210> SEQ ID NO: 6
138 <211> LENGTH: 20
139 <212> TYPE: DNA
140 <213> ORGANISM: artificial sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: PGIol U primer
145 <400> SEQUENCE: 6
146 tcatttgatt gttgcgcctg 20
149 <210> SEQ ID NO: 7
150 <211> LENGTH: 23
151 <212> TYPE: DNA
152 <213> ORGANISM: artificial sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: PGIol L primer
157 <400> SEQUENCE: 7
158 tgtacatcag acccggtaga aaa 23
161 <210> SEQ ID NO: 8
162 <211> LENGTH: 21
163 <212> TYPE: DNA
164 <213> ORGANISM: artificial sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: PGIint U primer
169 <400> SEQUENCE: 8
170 cagcactaat cttgcggtat g 21
173 <210> SEQ ID NO: 9
174 <211> LENGTH: 21
175 <212> TYPE: DNA
176 <213> ORGANISM: artificial sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: PGIint L primer
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182 caataaccct aaaagcacct g 21
185 <210> SEQ ID NO: 10

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186 <211> LENGTH: 20
187 <212> TYPE: DNA
188 <213> ORGANISM: artificial sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: PGIol U primer
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197 <210> SEQ ID NO: 11
198 <211> LENGTH: 21
199 <212> TYPE: DNA
200 <213> ORGANISM: artificial sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: PGIint L primer
205 <400> SEQUENCE: 11
206 caataaccct aaaagcacct g 21
209 <210> SEQ ID NO: 12
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211 <212> TYPE: DNA
212 <213> ORGANISM: artificial sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: BolJon U primer
217 <400> SEQUENCE: 12
218 gatccgattc ttctcctggt g 21
221 <210> SEQ ID NO: 13
222 <211> LENGTH: 21
223 <212> TYPE: DNA
224 <213> ORGANISM: artificial sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: BolJon L primer
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230 gcctactcct caaatcactc t 21
233 <210> SEQ ID NO: 14
234 <211> LENGTH: 21
235 <212> TYPE: DNA
236 <213> ORGANISM: artificial sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: pCP418 L primer
241 <400> SEQUENCE: 14
242 aatttctcca tcacaaggac c 21

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VERIFICATION SUMMARY

DATE: 04/20/2007

PATENT APPLICATION: US/10/563,277A

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Input Set : A:\PTO.DA.txt

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